

MEASUREMENT OF HYDROPEROXYL RADICAL

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License Status

Available for Licensing

- Non-Exclusive
- Exclusive

Patent Status

U.S. Patent
7,285,243

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PRODUCT

The technology can be used to build an apparatus for the measurement of the elusive hydroperoxyl radicals in atmospheric samples.

COMPETITIVE ADVANTAGE

The technique is simple, inexpensive and provides direct quantitative measurements.

METHOD

The atmospheric sample is treated with a liquid phase scrubbant to produce a liquid phase atmospheric sample which is subsequently reacted with the luminescent reagent and quantified using a chemiluminescent detector.

APPLICATIONS

Include industries which make air quality products for monitoring health and environment will find immediate use of our technology.

Reference: Quantitative Analysis of Hydroperoxyl Radical Using Flow Injection Analysis with Chemiluminescence Detection, Jun Zheng, Stephen. R. Springston, and Judith Weinstein-Lloyd, *Analytical Chemistry*, 75 (17), 4696-4700, 2003.

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